49

1949

**File No.** 5-181/8

P.W. DEPARTMENT

Cont. BRANCH

B CLASS

Subject:— Estimate for machinery for Neersagar Water Supply Scheme

B(K):149

**File No.** 5-181/8

Sta. Sectt. Slip 24-A

G. R., G. D., No. 2408, dated 22-6-22.]

Std. Sectt. 73 a.

# DOCKET SHEET

***Subject:—***
Estimate for machinery for Neersagar Water Supply Scheme.

**File No.** S-181/8

P. W. **DEPT.**

Cy **BRANCH.**

***References:—***

| Date. | To whom sent. | Notes and instructions. |
|---|---|---|
| | | |

GOVERNMENT OF BOMBAY.

PUBLIC WORKS DEPARTMENT.

Resolution No. 6250/36-III.

Bombay Castle, 8th March 1948.

Letter from the Public Health Engineer to Government, No. 2740, dated the 14th April 1947 :—

" Reference : Government letter, Public Works Department, No. 6250/36-M, dated 3rd instant.

" 2. I return herewith the above project in two files and a bundle of plans after attending to various points raised in the above Government letter. I also attach herewith a separate file containing an estimate of the cost of the scheme with rates 100 per cent. above 1938-39 rates and various statements worked out on the basis of the above revised cost. The cost of the scheme for stage I now works out to Rs. 1,09,03,300 nett and Rs. 1,24,79,200 gross with 15 per cent. establishment, tools and plant charges against the previous cost of Rs. 82,66,000 nett and Rs. 94,46,305 worked out with rates 50 per cent. higher than 1938-39 rates.

" 3. As will be seen from Statement No. 3 of the financial forecast of the scheme, the rate of water in Stage I works out to annas 11·5 to Hubli and annas 14·5 for 1,000 gallons to Dharwar, while ultimately the rate for 1,000 gallons will come to 7 annas for Hubli and 10 annas for Dharwar. Looking to the very high lift of water, these rates are very reasonable. The rates given above are for bulk supplies and perhaps the Municipalities concerned will have to add annas 2 to 3 per 1,000 gallons for cost of water to consumers, so that the net cost for 1,000 gallons of water for Hubli will work out to say 14 annas and to Dharwar a rupee.

" 4. Paragraph 2 (i) of the Government letter—To strengthen the tail channel, concrete curtain wall and a masonry apron wall on the nalla side at chainage 600 have now been proposed and necessary plans and estimates are now incorporated in the main project. The cost of these additional works amounts to Rs. 3,02,000 with rates 100 per cent. above 1938-39 rates (*vide* item 1/6 in statement No. 2).

" Paragraph 2 (II) of Government letter—The establishment charges for maintenance purposes have now been provided at a standard rate of 15 per cent. of the other items of maintenance.

" Paragraph 2 (III) of Government letter—Except for machinery and land compensation, rates for other items have been modified with rates 100 per cent. above 1938-39 rates.

" 5. I now request you kindly to move Government to accord administrative approval to the scheme immediately, so that all preliminaries regarding the scheme can be completed now and the work started in full swing from October 1947. As personally discussed with you, I also request you to move Government to sanction the opening of a division with one sub-division for execution of the scheme in the first instance. The existing Post-War Sanitary Sub-Division, Dharwar, will be the other sub-division attached to it.

" 6. I have already addressed Government to instruct the Collector of Dhawar and the Commissioner, Southern Division, for taking action regarding acquisition of land required for the scheme, by invoking the emergency clause."

Government Letter No. 6250/36-II-M, dated the 28th August 1947 :—

" The above water supply project has been included as one of the water supply schemes in Government's post-war programme and is proposed to be executed in two stages, the first being for a supply of 20 gallons per head per day and the second for a gallonage of 30 after construction of drainage schemes at Hubli and Dharwar.

" 2. (*a*) The scheme is to be constructed as a Government scheme and water sold to the two Municipalities in bulk at fixed points outside the town limits; the internal distribution will, as usual, be done by the local bodies themselves.

(*b*) The cost of the first stage of the scheme works out to about Rs. 1·37 crores and the water rates to be charged to the Municipalities to about annas 12 and 15 per thousand gallons for Hubli and Dharwar respectively on the basis of interest on capital, depreciation and maintenance charges; the rates after the completion of the second stage would be less and in the neighbourhood of annas 8 and 11 respectively.

(c) These rates are, however, only provisional as the actual rates can be known only after the completion of the scheme when the actual cost of construction is known.

" 3. In view of the fluctuation in rates, it is proposed to review and revise these rates on the same basis every five years starting with the date of the first supply of water on completion of the first stage.

" 4. Before Government can proceed with the sanction and execution of the schemes, it is imperative that the Municipalities be informed of the probable water charges and their agreements obtained to the provisional and the actual (final) charges (as they may work out on completion of the scheme), the basis of computing these charges and their proposed revision every 5 years.

" 5. I am, therefore, to request you please to obtain and communicate the requisite consent of the Municipalities of Hubli and Dharwar to these provisional and actual (which will be communicated on completion of the scheme) rates and the revision every 5 years.

" 6. On receipt of these assurances, Government will proceed further in the matter of sanction and execution of the scheme."

Read Government Letter No. 6250/36-M, dated the 2nd September 1947.

Read letter from the Public Health Engineer to Government, No. 7758, dated the 15th October 1947.

Letter No. SR. 830, dated the 18th October 1947, from the Collector of Dharwar.

" Reference : Your No. MUN/D of 2nd September 1947, and Government, Public Works Department, letter No. 6250/36-II-M of 28th August 1947 on the subject noted above.

" Both the Dharwar and Hubli Municipalities have accepted the proposals contained in Government letter, Public Works Department, No. 6250/M-II of 28th August 1947. Copies of letter No. 2980 of 10th September 1947 and S.E.S.R.D. 1 of 10th October 1947, from the Presidents of Dharwar and Hubli Municipalities along with copies of relevant General Committee Resolution Nos. 156 of 10th September 1947 and 1313 of 9th October 1947, passed by the Municipalities in this connection are enclosed.

" 2. The Hubli Municipality has requested that Government should be moved to revise the rates at which water would be supplied to the two Municipalities. The rates have now been fixed on the basis of interest on capital invested by Government Maintenance and Depreciation charges. The Municipality suggests that the rates should be fixed on the basis of interest on half the total amount of capital, in view of the fact that Government would have given a free grant-in-aid equal to 1/3 to 1/2 of the total cost of the scheme as per Government Resolution, General Department, No. 7060 of 25th May 1942, had the two Municipalities jointly undertaken the scheme. According to the above Government Resolution the major Municipalities are given grant-in-aid for water supply schemes to the extent of 33 1/3 per cent. of the cost of the scheme. It is therefore proper that the amount to be given to the Municipalities as grant-in-aid should be deducted from the cost of the scheme while calculating interest on capital for the purpose of fixing rates to be recovered from the Municipalities.

" 3. The Hubli Municipality has further informed that it would only take such extra quantity of water from this scheme as may be required after making full use of its present water supply from Unkal tank."

Endorsement by the Commissioner, Southern Division, No. Mun.-D, dated the 9th November 1947 :—

" Submitted with reference to Government, Public Works Department, letter No. 6250/33-II-M, dated 28th August 1947 ".

Letter from the Public Health Engineer to Government, No. S.W. 3-27/9301, dated the 15th December 1947 :—

" Reference : Government Letter, Public Works Department, No. 6250/36-M, dated 2nd September 1947.

" 2. I return herewith fair plans and estimates, the latter amounting to Rs. 1,11,47,546 Net or Rs. 1,40,97,788 Gross with 27 per cent. Establishment, Tools and Plant charges for your final approval and according administrative approval and technical sanction at an early date.

" 3. Section I of the scheme has been modified and fair copies by the Executive Engineer, Dharwar Division, as one Sub-Division for Neersagar water supply scheme was already opened under that officer; *vide* Government Letter, Public Works Department, No. 8628/36-E (I) of 7th July 1947. Section II of the scheme, has however been modified and fair copies by the Executive Engineer, Public Health Works Division, Poona, and both the sections have been combined in my office. While modifying the

scheme, the technical note on plans and estimates by the Chief Engineer, Public Works Department, has been taken into account. The Executive Engineer, Dharwar Division, reports that the remark (1) of the technical note namely the inner hearting should go 2'-0" above H.F.L. and 2'-0" in hard rock or 3'-0" in impermeable soil will be attended to, at the time of construction, when the foundations will be exposed and I agree with his suggestion. This will therefore be attended at the time of construction.

Point (2) of the technical note. This is noted and will be followed at the time of construction. Point (3) of the note. This has been attended to and the side wall on the non-nala side has been provided.

Point (4) of the note. The Executive Engineer, Dharwar Division, submitted plans and estimates for the raw water main crossing the tail channel in its protected length but this increased the length of the main by 2,250 feet and it also changed the direction of flow three times. I do not consider such an alignment desirable. Moreover due to the increase in length it was very expensive. Plans and estimates now submitted cross the main in the unprotected length of the tail channel but the main will be laid in deep cutting and will be protected by a strong concrete wall which will form actually a second curtain wall. The main will therefore be quite safe, as designed."

"4. The Executive Engineer, Dharwar Division, has also provided a sum of Rs. 90,272 for construction of temporary buildings for staff and stores at the dam site but this has been deleted by me as the scheme provides for sufficient No. of staff quarters required for actual working of the scheme and these will be constructed first and used for the accommodation of staff, etc., during construction.

"5. Both the participating local bodies namely the Dharwar and Hubli Borough Municipalities have agreed by resolutions of their respective bodies to the provisional rate of water supply contained in Government Letter, Public Works Department, No. 6250/36-II-M, dated 28th August 1947, *vide* my No. 7758, dated 15th October 1947, and I now request you to move Government to accord immediately necessary administrative approval and technical sanction to the scheme. If however there is likelihood of any delay in sanctioning the scheme, I will request you to move Government to authorise me to take up the execution of work in anticipation of sanction as it will take long time to make preliminary arrangements for execution of the scheme and it is very desirable that necessary staff quarters which form a part of the scheme are taken up for construction immediately and completed before the monsoon begins so that necessary staff can be housed there during the monsoon. If this can be done, all tenders on the main scheme can be called during monsoon and the work brought into full swing by October 1948. In the current year's budget a provision of Rs. 12,20,000 has been made and it is very desirable that a start be made now. I therefore request early orders of Government in the matter.

"6. In my letter No. 3140, dated 28th April 1947, I have already dealt with in detail about my proposals regarding the opening of a new Division and three Sub-Divisions to tackle with this important and urgent scheme. I have dealt this point again in paragraph (4) of my No. 7758, dated 15th October 1947 and I hope Government will agree with me that the execution of the whole scheme should remain under direct control of my circle. I therefore request that along with orders to start the work the opening of the Division and three Sub-Divisions should also please be sanctioned under my full administrative control."

Letter from the President, Municipal Borough, Hubli, No. S.E.S.R.D. 1, dated the 13th January 1948, addressed to the Collector of Dharwar :—

"With reference to the copy of the Government letter No. 6250/36-III-M, dated 23rd December 1947, to the Commissioner, S. D., Belgaum, your endorsement No. Mun. 830, dated 30th December 1947, thereon, I have the honour to state that the Municipality has resolved under its G. B. R.* No. 1443, dated 13th January 1948—copy enclosed—which clarifies all the points raised by the Government.

"I, therefore, request to move the Government to start the execution of the Scheme without any more delay in the matter."

RESOLUTION.—The plans and estimates, the latter amounting to Rs. 1,40,97,788, gross, inclusive of centage charges at 27 per cent., for the construction of Stage I of the Neersagar Water Supply Scheme, which will provide water for the towns of Dharwar and Hubli, are approved administratively and sanctioned technically for the same amount subject to the following remark :—

> "The alignment of the raw water main and the protection to its length which crosses the waste weir tail channel should be further considered and carefully investigated."

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*Printed as an accompaniment to this Government Resolution.

27 The cost should be debited to the head "70-Capital Outlay on Improvement of Public Health—Post-War Reconstruction and Development Programme"

By order of the Governor of Bombay,

K. D. KOTWAL,
Under Secretary to Government.

G. R., No. 6250/36-III, P. W. D., dated the 8th March 1948.

To

The Finance Department.
The Health and Local Government Department.
The Reconstruction Department (Political and Services Department).
The Public Health Engineer to Government (with plans and estimates).
The Commissioner, Southern Division.
The Collector of Dharwar.
The Superintending Engineer, Southern Circle.
The Superintending Engineer, Special Investigation Circle.
The Executive Engineer, Dharwar Division.
The Accountant General, Bombay.

No. of 1948.

Copy forwarded for information and guidance to

**Accompaniment to Government Resolution, Public Works Department, No. 6250/36-III, dated the 8th March 1948.**

*Sub. No. 2* *G. B. R. No. 1443 of 13th January 1948.*

To consider the letter No. 9423 of 20th December 1947, from the Public Health Engineer to the Government of Bombay with regard to the Neersagar Water Supply Scheme.

Proposed by Mr. M. Y. Pawar.

Seconded by Mr. R. Y. Pujari.

Read the letter No. 9423 of 20th December 1947, from the Public Health Engineer to the Government of Bombay and a copy of Government letter, Public Works Department, No. 6250/36-III-M, dated 23rd December 1947, to the Commissioner, Southern Division, Belgaum, and the endorsement of the Collector, Dharwar, No. Mun.S.R. 830 of 30th December 1947, thereon regarding the Neersagar Water Supply Scheme.

Be it resolved that in clarification of the G. B. R. No. 1313 of 9th October 1947, this Municipality agrees to the provisional rates of As. 12 per 1,000 gallons of water in the first stage and As. 8 in the second stage and further agrees to the actual rates after the completion of the scheme and revision of rates every five years and other terms mentioned in the Government letter (immediate), Public Works Department, Bombay No. 6250/36-III-M, dated 28th August 1947.

No amendments; put to vote; passed unanimously.

(Signed) R. S. KULKARNI,
President, Municipal Borough, Hubli.

P. W. D. 231 .. [Estimate Abstract.

# ABSTRACT

| Quantity. | Items. | Rate. Rs. | a. | p. | Per. | Amount. Rs. | dcc. |
|---|---|---|---|---|---|---|---|
| | WORKSHOP MACHINERY. | | | | | 4,37,257 | |
| 1 No. | 25 B.H.P. Oil engine. | 8000 | | | each | 8000 | |
| 1 No. | 5" centre 4'-6" gap bed lathe. | 5000 | | | each | 5000 | |
| 1 No. | All purpose machine such as turning screwing, drilling, milling etc. | 12000 | | | each | 12000 | |
| No. | R Grinder. | 600 | | | each | 600 | |
| No. | Drilling machine. | 2000 | | | each | 2000 | |
| No. | Hacksaw machine. | 1200 | | | each | 1200 | |
| No. | Generating set for 10 K.W. | 10000 | | | each | 10000 | |
| set. | Equipment such as line shafting, forges, anvils carpenters and fitters table etc. | 8000 | | | each | 8000 | |
| | Tools and measuring instruments | 5000 | | | lump | 5000 | |
| | Spare parts. | | | | lump | 5000 | |
| | Foundations and installation. | 8000 | | | Lump | 8000 | |
| | Sales tax. | | | | | 1617 | |
| | Insurance. | | | | | 1036 | |
| | Railway freight and carriage to site. | | | | | 1500 | |
| | | | | | | 506210 | |
| | 5 % contingencies. | | | | | 25310 | |
| | | | | | | 531520 | Nett. |
| | 27 % Estt. Tools and Plant charges. | | | | | 143510 | |
| | | | | | | 675030/- | gross. |

Public Health Engineer to Government.

SBC.24/9/48.

No.M.P.82/8672 of 1948.

Poona, 11th September 1948.

To

The Secretary to Government,
Public Works Department, BOMBAY.

Subject:- Neersagar Water Supply.
Earth moving machineryfor

Reference: Government Resolution, P.W.D.No.6250/36-III dated the 8th March 1948.

Please refer correspondence on the above subject ending with my No.8431 dated the 22.9.48 for construction of dam and other work connected with the above scheme, it would be economical to do the work with machinery as it would effect a great saving in labour cost. Moreover after the work at the above site is completed, the machinery can be employed on other works. In view of the above, I called for quotations from different firms and have framed an estimate for the machinery that I consider absolutely necessary. I have however omitted the cost of railway track tipping waggons etc. which the Government is getting from disposals. The estimate for this will be sent when the cost is known. The estimate enclosed covers such machinery as scrapers trailors, trenches, rock drills, rooter, sheep foot roller etc. and workshop machinery. The provision for these machines has not been made in the main estimate but the scheme provides necessary overhead charges to cover tools and plant.

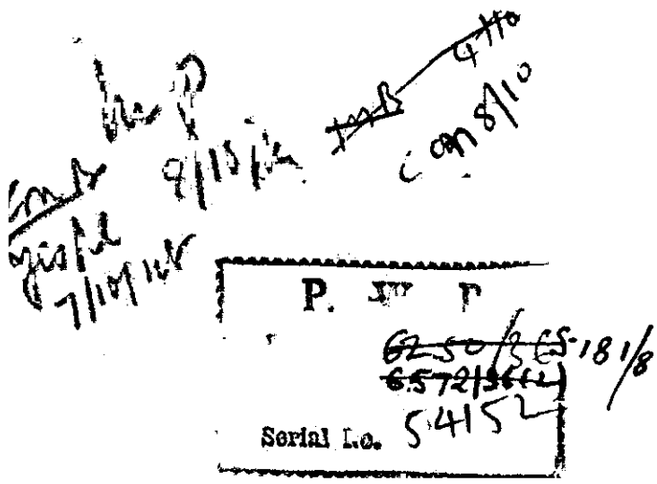
I, therefore, request you kindly sanction the estimate amounting to Rs.5,31,520/- nett (Rs.6,75,030/- gross) enclosed herewith.

Public Health Engineer
to the Government.

D.A.One estimate
SBC.24/9/48.

Copy forwarded with compliments with a copy of estimate to the Executive Engineer, Karnatak Sanitary Division, Dharwar.

D.A.One estimate.


P.
Serial L.o. 5415

Con. B.

S. 181/8/54/5.2

The P.H.E. to Govt. forwards an estimate amounting to Rs. 6,75,030/- gross for machinery such as Scrappers - tractor, trenches, rock drills, roller, sheep foot rollers etc, required for the Neersagar water supply scheme, for Govt. sanction. He states that it would be economical to do the work with machinery than with the manual labour & the machinery so purchased can also be used on other works after completing the Neersagar water supply scheme.

2. The estimate does not appear to be for ordinary tools & plant, nor neither can it be for special as the P.H.E. states that they can be utilised on other works. In other words it may imply that these tools & plant would be purchased for the P.H.E. and utilised for the Neersagar water supply works, in turn to be used for some other works taken done with. Besides, it has been pointed out that provision for these machines has not been made in the main

estim

estimate but the scheme provides necessary overhead charges to cover tools & plant. It is however for consideration whether the estimate should be treated for ordinary or special tools & plant. If the latter then it will have to be considered whether the amount of Rs. 6,75,030/- has already been provided for in the total cost of the Project of Neerasagar water supply scheme for Dharwar & Hubli or will it be an additional expenditure which would consequently raise the original cost of the project.

Thro. Dy. Sec. (I & R) 5/11/48.

Secy
29.10.48

A.B (III).

3. As the tools & plant in question are to be purchased for the specific project they will have to be treated as opl. and included in the project estimate.

4. For the current year a provision of Rs. 20 lakhs (works outlay) has been made for the work under the head 70 - Capital Outlay on Improvt. of P.H. (P.W.R. & B.).

Dy Secy 6/11/48. 5) The P.H.E may be asked to clarify the points in para 2 of the note above. He may also be asked to state whether the ~~cost of the~~ overall rate for earthwork etc. provided in the estimate would not cover the cost of the machinery, as it is expected that the work could be done more economically with machinery.

Dy Secy 6/XI.

8/11

The machinery provided in the estimate is obviously of the nature of Spl. Tools & Plant & will have to be treated as such. The cost of the machinery will have to be covered by the overall rate of Earth work etc. which are proposed to be executed with its help at a cheaper cost instead of by manual labour.

9-11-48

Secy (T)

The estimate will have to provide for this T&P. One sheepsfoot roller is being supplied to him from the ones that we are released from the Defence Department

9.11.48.

For P
10/11/48

Con B.

Resubmitted with the necessary drafts for approval.

3-11-48

Letter.

No: S-1818/54152-Gov

P.W.D.

Dt. 11th ~~Nov~~ Dec '48

To

The P.H.E. Co. Ltd.

Subject:- Necessary water supply

Earth moving machinery &c.

Ref:- your letter no. M.P. 82-8672, dated 7th Dec 1948.

2. Please state whether the percentage of overhead charges provided for in the main estimate covers the cost of the earth-moving machinery proposed to be purchased. If not, ~~you should~~ state whether the ~~annual~~ cost of the machinery will be an additional expenditure ~~of~~ on the whole project. If so, the additional amount required should also be submitted.

By order &c.

Secretary

Posted 15/12/48

30-11-48

No. 11610 of 1948

Poona 29th December 1948.

To

The Secretary to Government,
Public Works Department, Bombay

Subject :- Neersagar Water Supply.
Earth moving machinery for.

Reference - Government No. S-181/8/54152-Con, dated 11th December 1948.

2. The net cost of Neersagar Water Supply Scheme is Rs.1,11,47,546/-. 27% Establishment Tools and Plant charges etc. viz. 29,50,242/- are provided in the sanctioned gross cost of Rs. 1,40,97,788/- vide Government Resolution, Public Works Department No. 6250/36-III, dated 8-3-1948. Out of this 27% Establishment Tools and Plant charges, 3% are for tools and plant and this worksout to Rs.3,34,426/-. Part of this provision is required to cover the other tools and small plants required in connection with the above scheme and does not cover fully the heavy earth moving and other machinery now asked for and for which an estimate of Rs. 5,31,520/- net. has been forwarded under this office No.M.P.82/8672, dated 29th September 1948.

3. As explained in thisoffice No. quoted above, it would be very economical to do the work with machinery as it would effect a great saving in the labour cost and moreover, the machinery could be employed for other works. The saving in labour will more than offset the depreciation cost which may be covered by the provision in the estimates.

D.A.Nil.
SLP/28-12-48

Public Health Engineer
to Government.

em Brasília

S-181/8

73/22

S.181/8/54152

~~Tools & Plant charges, 3% are for~~

From 'A' of his letter at p. 12 ante it is not clear whether the estimate of Rs. 5,31,520/- net or Rs. 6,75,030 gross for heavy machinery is for items over and above those covered by the provision of 3% for tools made in the original estimate of the Neeragar Scheme. Assuming that the heavy machinery now proposed to be purchased by the P.H.E. has not at all been provided for in the original estimate, the overall cost of the Scheme will be increased by Rs. ~~5,31,520/-~~ 6,75,030/-

3. The original ~~allotment~~ allocation for the Govt. P.H. Schemes for the E. first five years period was Rs. 2,23,54,000, but was subsequently reduced to Rs. 1,50,22,000. In view of this reduction it was necessary to revise the allotments for the several Govt. P.H. Schemes and accordingly the allotment was revised as under, the Khandakwada scheme being postponed to the next five year period.

| | |
|---|---|
| 1) Neeragar W.S. Scheme | Rs. 1,39,82,000/- |
| 2) Belgaum W.S. Scheme | 5,00,000/- |
| 3) Alandi W.S. Scheme | 1,00,000/- |
| 4) Pandharpur W.S. scheme | 40,000/- |
| Total | Rs. 1,50,22,000/- |

15

S-181/8/73122.

Con. B. P.W.D.

Submitted with refce. to G.L. No. S-181/8/5-4152 - consi dated the 11.12.48 - p. 11

2. The P.H.E. to Govt. p. 13 states that the 3% charges for Tools & Plant provided in the total cost of Neersagar water supply scheme do not cover fully the cost of the heavy earth moving machinery proposed p. 11-3 to be purchased. He does not however indicate the exact additional amount that will be required for the purchase of the machinery. In view of para 3 of the P.H.E's p. 13 letter within it is for consideration whether the estimate under refce. may be sanctioned after U.O. No. 45 the F.D. If so this item will have to be included in the revised estimate of the whole Project of Neersagar water supply scheme. On receipt of order recy. draft will be put up.

Thro' Mr. B. As the W.Cs (P.H.R)

Sec'y (P.H.R)

Sec'y (P)

Sec'y (P.H.R)

M.B.

2. The P.H.E. has not categorically stated to what extent the heavy machinery for which he has submitted the foreign estimate is going to increase the cost of the Neersagar W.S. scheme. He states in this connection that "Out of this Rs. for Estt.

4. If it is decided to sanction the P.H.E's estimate for heavy earth moving machinery, the allotment for the other schemes will have to be correspondingly reduced by Rs. 6,75,000/-. This cannot be done at the cost of the allotment for Pandharpur W.S. schemes. Although the fate of the Belgaum W.S. scheme is still hanging in the balance, it may not perhaps be desirable to curtail the allocation made for this scheme or to postpone the scheme to the next five year period as the need for supply of piped water to Belgaum is keenly felt and the public is already showing concern over the delay in the execution of this scheme. In these circumstances, if the P.H.E. were allowed to purchase the heavy machinery for the Neersagar W.S. scheme, he will have to be informed specifically that the allotments made for the schemes for the first five years will in no case be increased. Sanction is given on the specific understanding that this does not amount to increasing the allotment made for the Schemes for the

first five years viz., Rs. 1,39,82,000/-

10
vs/2/ug.

P. 11 ante

5. In reply to the G.L. of 11-12-48, the P.H.E. states that the part of the cost of earth moving machinery only will be covered by 3% T.&P. charges. The exact amount is not mentioned. It may perhaps be not possible, at this stage to work out the precise figures.

Reply to the second Govt. query viz. whether the expenditure for the machinery will be additional over the sanctioned cost, will be found in para (3) of his letter of 29th Decem. 48 (P. 13 ante). He states that the saving in labour will more than offset the depreciation cost. This will only mean that the depreciation cost for the earthwork machinery will be compensated by the saving in labour, while the capital cost for the machinery will not be affected and will have to be borne seperately.

Perusal is requested to the estimate at page 1 ante. E.T.&P. charges at 2% are levied on the net cost to arrive at the gross estimated cost. This estimate itself is for Tools & Plant and charging 3% T.&P. charges over again, may not perhaps be justified. Correct gross cost would be with 2% 

24% E.T.&P. charges.

I. The earth moving machinery will be an asset for execution of the scheme and in view of the P.H.E's recommendations the estimate with 24% charges may be sanctioned after hor. b F.D. as proposed in the O.N. above. The actual T.&P. charges would be adjusted later.

24-2-49

A | By this para 3 at P. 13 the P.H.E. probably means that the machinery provided for in the estimate may be treated as ordinary T+P + the estimate should be accounted for accordingly and only the depreciation charges for it may be charges to the Project of Neersagar Water Supply as the machinery will be available for other works on the completion of the Scheme. This proposal may be accepted in U.O. consultation with the E.D.

2-3-49

Secy (I).

NP

If there is going to be saving by the use of the machinery, then the savings should take up the cost of the machinery. In other words the earthwork estimate will have to be reduced by that amount, to provide for the purchase. As regards A of the W.S., the precise intention of P.H.E. is required & not his probable intention which may or may not be correct

4/3/49

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C.E. Cambs

P.W.D.

In view of the Secy (A)'s note above these papers may be ref'd. u.o. to the P.H.E. to Govt. with a request to clarify the whole position.

AH
4/3/49.

4/3/49

A.H. Secy

U.O. to the P.H.E. to Govt. dt. 5th March 1949

Issued
4/3/49

PH E's Inward
No. 1841
1/3

Below U.O.R. dated the 5th March 1949 from Public Works Department of the Secretariat (File No. S-181/8/54152).

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Returned with compliments.

2. The 3 percent charges included in the overhead charges of 27 per cent added to the estimate of the Water Supply Scheme cannot constitute an item to cover the cost of Tools and Plant or Machinery proposed to be purchased for the scheme. This is a departmental charge adjusted on pro rata basis by the Accountant General, Bombay, on the basis of expenditure incurred from year to year.

3. The tools and plant and machinery now proposed to be purchased should constitute only special tools and plant for the scheme and consequently will be an additional item to the main cost of the scheme sanctioned by Government, especially as the project does not include any item of "Special Tools and Plant".

4. The estimate previously submitted under this office No. M.P.82/8672, dated the 29th September 1948 (page 3 ante) did not embrace certain of the items such as railway track, tipping wagons etc. These were not included as their cost was not then known and as it was also expected that certain of the articles were expected from Disposals. It is now definitely known that these are not available from Disposals and, therefore, the estimate is now completely recast to include all tools and plant and machinery absolutely needed for

2.....

the speedy and economical execution of the scheme. The estimate being classified under "70 Capital Outlay" has necessarily to include the usual 27 per cent overhead charges and it now works out to Rs.8,86,600/ Nett. or Rs. 11,25,982/- Gross.

5. Owing to high cost of labour now prevalent, it is felt that work done with machinery will be more economical and cheaper than by manual labour. My Executive Engineer, Karnatak Sanitary Division, was specially directed to visit Gangapur and discuss the question with Mr. Dhanak. He reports that Mr. Dhanak has already purchased a large quantity of machinery and that more machines are on way and it is Mr. Dhanak's opinion that earth work can be done at rates 50 per cent cheaper, if proper and adequate machinery is employed.

6. The estimate is now recast and is prepared in two parts A & B. Part A provides for essential machinery connected with earth work etc. and Part B for workshops machinery of a general nature connected with several items of the sanctioned scheme. The cost of the earth moving machinery works out to Rs. 10,27,938/- Gross (vide estimate A), and this is connected with items of earthen dam, approach and tail channels of the sanctioned scheme estimated to cost Rs. 21.75 lakhs Net. If we could only save 15 per cent of the cost on these items by use of machinery to be purchased by Government the cost of the implements proposed to be purchased at Part A will have been largely met. The other

3.....

workshop machinery included in part B of the estimate are such that are absolutely essential to be secured in the proper execution of the scheme. Thus it is in the interest of the work to order out these machinery quickly.

7. These machinery will be used on the Neersagar Water Supply Scheme for 3 years or 3 working seasons. The life of the earth moving machinery can be taken as abou 6 working seasons; while the others should last atleast for 12 years. The earthen dam of the scheme is proposed to be put up complete in 4 working seasons. Thus some of the important machinery would depreciate by about 50 per cent by the time the work is completed, while the others would depreciate by about 33⅓%. Thus out of Rs. 11,25,982/- proposed to be spent on the cos of machinery etc. we will have machinery valued at about 6 lakhs at the close of and work for use elsewhere. The actual cos that would be finally debited to the scheme will be Rs. 5,25,982/- lakhs and this cost should be definitely found from savings on earth work items and other items on whit the machinery might be used and from the rent to be recovered from the Contractor. The machinery that will be used by the Contractor are those shown in part A valued at Rs. 8,09,400 Net or Rs. 10,29,938/- Gros and if these are used for 3 working seasons we will recover as rent Rs. 4,04,700/- calculated at 2% per month for working period.

8. The procedure for accounting would be

4.....

that the entire cost of these machinery would be debited initially to the scheme, thereby increasing the cost of the sanctioned scheme to that much amount and the salvage value of the machinery claimed on completion of the scheme would be credited. So that the increase over the sanctioned cost would be only a small amount. Even this amount, as explained above, is proposed to be wiped off by savings on the different items of the estimate. Thus ultimately, the cost of the scheme would not be increased on account of purchase of these machinery.

9. I may also point out to Government at this stage that amongst the specifications drawn up for items of earthen work tendered out, a condition exists that the Contractors would be provided with earth moving machinery. In view of the exhaustive explanation given above, Government may kindly allow me to purchase the machinery needed for the speedy and econnomical execution of the scheme.

10. I enclose herewith an estimate Part A for providing the requisite machinery together with the shed etc. and part B for workshop machinery with necessary shed for approval of Government.

Public Health Engineer
to Government.

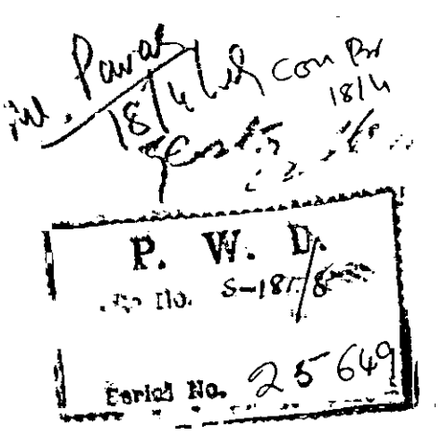
D.A. 1 U.O.R.
2 Estimates.
DGG/13.4.49.

U.O.R. No. S.W.3-27/TPM 3885 of 1949.

Poona-1, 14th April 1949.

To,

The Secretary to Government,
Public Works Department,
Bombay.


P. W. D.
Serial No. 25649

44 F

SW-3-27(TP)/1510

MOST URGENT

No. of 1949.

Poona 8th February 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject :- Neersagar Water Supply Scheme.
Earth Moving machinery. p. 13

Reference - This office No. 11610 of 29th December 1948.

2. Please refer correspondence on the above subject resting with my above No. and request you to move Government to approve the estimate for special tools and plant submitted under this office No.M.B.82/8672 dated 29-9-1948.

3. Orders for machinery placed through Government under my Nos. M.P.45/10516 dated 25-11-1948 and No.10968 dated 7-11-1948 may also please be passed on to the supplying firms early for necessary action, as it is very desirable to secure these machines for speedy and economical execution of the scheme. Tenders for the dam work will be invited during this month and it is essential that orders for machineries should be placed immediately.

4. I have discussed this with the Secretary to Government (Irrigation) during my visit to Bombay on 4th instant.

D.A.Nil.
SLP/8-2-49.

Public Health Engineer
to Government.

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Copy forwarded with compliments to the Executive Engineer, Karnatak Sanitary Division, Dharwar for information.

Com. B.

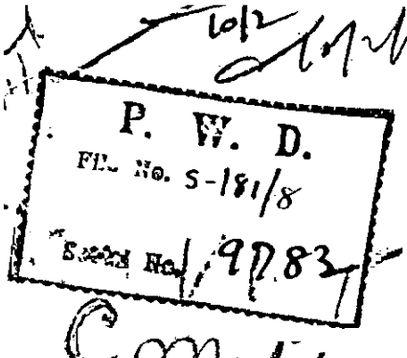
1746

P. W. D.

The estimate for the Earth moving machinery required for the Neersapar water supply scheme is under submission since 10.2.49. Return of the papers may be awaited.

15/2/49

15/2/49




Com. I
10/2

S-181/8/25649+9755

Con.B.

P.W.D.

Submitted with reference to the ord. dated the 4.3.49. p.20

2. The P.H.E. to Govt. now submits a revised estimate amounting to Rs. 10,27,938/- pp21-35 gross, for the purchase of various types of machinery & plant required for Neeragar water supply scheme, together with a comprehensive note pp37-43 on the subject.

3. The machinery now proposed to be purchased ~~constitute~~ comprises special tools & plant & will be an additional item to the main cost of the scheme sanctioned by Govt. as the project does not include any item of special tools & plant. The cost of the estimate has been increased from Rs. 6,75,030/- to Rs. 10,27,938/-. The increase is due to the including of articles like railway tracks, tipping wagons etc which were not included in the original estimate. These articles are now included, as it has been ascertained, that they are not available from "disposals". Taking into consideration the 27% overhead charges the estimate now works out to Rs. 8,86,600/- nett + Rs. 11,25,982/- Gross p.39

4. The P.H.E. points out that though the cost of the project will be increased by Rs. 11,25,982/- yet the actual additional expenditure will be Rs. 5,25,982/- only, as the machinery

can be utilised for other works after the completion of Neersagar Project. This cost will also be met from savings on earth work items & other items on which the machinery might be used and the rent recovered from the contractors. Thus ultimately, he further points out, the cost of the scheme would not be increased on account of the purchase of machinery vide paras 6, 7 & 8 of this note. pp 3 & 4-ante It has been further pointed out that amongst the specifications drawn up for earthern works tendered out a condition exists that the contractors would be provided with earth-moving machinery.

5. In view of the ~~demand~~ various advantages pointed out by the P.H.E. for using machinery, it is for orders whether the Estimate amounting to Rs. 10,27,938/- ? 11,25,982/- may be sanctioned after showing the papers to the F.D. If so, this item will have to be included in the revised estimate of the whole project of Neersagar water supply scheme.

Through M.B. A 15 ~~V~~, Secy P.H (R&B)

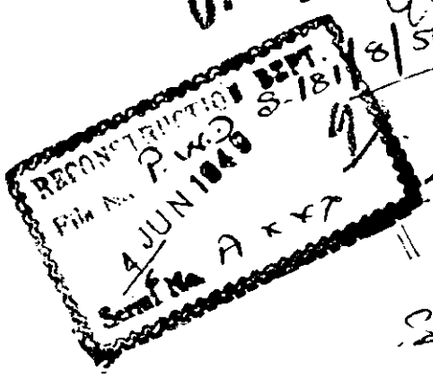
Ans 24.5.69

M.B.

6. The W. may also be shown as Neersagar W.S. Scheme" to the R.C.D.

Secy (R&B) 24.5.69

is a P.W.R. 47 Scheme. S.181/8/25649




S.181/8/54152

25649

Sec. 1c & wk so many years. VG 1/6/49

It was unwise to have mentioning in the specification that earth moving machinery will be supplied by Govt. This might create trouble.

Very Urgent.

M.O. to the R.C.D. & the T.O. dd. 31st May June 1949

Very urgent

Govt

Bri.

R.C.D.

(P.W.D. No. S-181/8/25849)

In view of para.[@] 4 of the present P.W.D. note, these ffs. may be seen and passed on to the F.D.

@ ffs. 45 "Ante"
ffs. 45-47 ante.

D/11/6/49

J.C. 8/6

A.S.

N.O.S. to the F.D., D. 8th June 1949.

FINANCE DEPARTMENT
File No.
Date 14-6-49
Serial No.

Ke enl.
R&S. n.o.
pl. issue
to the F.D. after
keeping copies
of the notes
ffs. 45-47 ante.
Yes
8/6
D/11/6/49

The cost of the proposed heavy machineries for earth moving, etc. on the Neer Sagar Water Supply Scheme is estimated at Rs.8,86,600 (net). A provision of Rs.2,57,000 is made under '70-Capital Outlay, etc.' for the scheme during the current year, which includes Rs.75,000 for tools and plant. The P.H.E. anticipates receipts to the extent of Rs.4,04,700 by way of rent from the contractors to whom the machinery will be hired. If this is taken into account the net liability to Govt. will be reduced to Rs.4,81,900. The further argument in support of the proposal is that the machinery after being utilised on the works for three seasons can be used on other projects thus reducing the cost of the project. The liability of Govt. will however remain unaffected by such adjustments.

2. The Neer Sagar Water Supply Scheme is estimated to cost Govt. Rs.1,39,82,000 and the additional commitment to Govt. is Rs.8,86,000; sanction of the Legislature for such a large increase is necessary. The P.W.D. may be advised to put up the proposal as a new item for next year's budget so that the relative importance of demands for different projects can be gauged.

25.6.49

27/6/49

U.d.12-10 P.W.D. dt. 1.7.49

con 4/7 Con. B.

P.W.D.

~~Before it is sent with the reference to P.W.D. for their remarks.~~

~~Thro' H.B. [illegible]~~

P. W. D.
File No. S-181/8
Serial No. 43436

23/7/49

25/7/49

50

Con. Br. P.W.D.

Submitted with refce. to this Deptl. u.o.s., p.47
dt. the 31st May 1949

2. Presumably the F.D. agrees to this Deptl. proposal to sanction estimate amounting to Rs. 11,25,982 for machinery for the Neelsagar Water Supply Scheme. It may be stated that this is desirable so that the P.H.E. may be in a position to do the preliminaries for the purchase of machinery. He may, however, be informed that no purchase whatsoever should be made until the proposal is approved as a new item in the next years budget.

3. The draft put up may issue, if approved. The papers may be shown u.o. again to the F.D. before it is issued.

Thro' M.B. + AB (U) ✓

LD. 27/7/49.

29-7-49

27/7/49 27-7-49

Secy (P)'s remark at A on p. 47 should be brought to the notice ⊗ of the P.H.E. while passing orders on the tenders for the work of the Dam.

Dy. Secy (KSR)

29-7-49

Secy (P)

29.7.49

FINANCE DEPARTMENT
File No.
Date 30/7/49
Serial No.

⊗ Necy. copies given to M.B. for further action.

28/7/49.

U.O. to the F.D. dt. 29th July 1949.

Received.

29/7/49

Issued.

29/7/49

Letter 51 S-181/8/43436.

No. S-181/8/43436-Con. P.W.D.,
B.C., 15 July 1949.
10 Aug.

To

The P.H.E. to Govt.

Subject:- Machinery for the Neersagar Water Supply Scheme :-
Estimates for the -

A 43

Refce:- Your U.O.R. No. S.W. 3-27/JPM/3885, dt. the 14th April 1949.

2. The marginally noted 2 estimates for Spl. Tools & plant & machinery required for the Neersagar Water Supply Scheme are returned herewith duly sanctioned.

1. Machinery & plant required for execution of the scheme ... Rs. 10,27,938 (gross)

2. Machinery for workshop for carrying out repairs ... Rs. ~~85,344~~ 98,044 (gross)

3. The above proposal should be included as a new item in the next year's budget proposals and no actual purchase of machinery should be made not any commitment in unless & till the new item is finally approved.

You may, however, start making preliminary arrangements for the purchase of machinery, viz. requesting the Dir. of Ind. & S.P. Officer to call for quotations, etc. so that no time is lost in placing orders for the same after the new item is passed by Govt.

pp 21-26 D.A. Estimates.

By order, etc.

Copy forwarded to :-
The F.D.
The A.G., B'bay,
for information.

U. Secy
Dy. Secy (Accts)
Secy (P.)
27/7/49

40
29.7.49

S-3 Finance Dept.

P&O.R.I.

Submitted with reference to the note dated 25-6-49. P. 2 ante.

2. The P&O. Deptt. agrees to put up the proposal as a new item for next year's budget, but proposes to await on the estimates to enable the P.W.D. preliminary arrangements for purchasing the equipment. No actual purchase will be made unless the new item is finally approved. It is however necessary to ensure that not only no purchase is made but that no commitment is made unless the estimate is finally approved. The P&O. may accordingly modify its orders.

3. The pps. may be returned to the P&O. with the above remarks.

Sharma 3.8.49.

U.O.No. 12 to P.W.D. dt. 5-8-49

D.S (F.&R.)
Con Br 9/8

S-181/8
51930

(1) will be inked hereafter

Gen. Br.

P. & O.

In view of the F.D. note the draft p.s-1 as modified in pencil may now issue, if approved.

9/8/49.

10-8-49

Issue p. 51
Dl keep in copy

U. Sen

Letter.

No.S-181/8/43436-Con. Public Works Department,
Bombay Castle, 10th August 1949.

To

The Public Health Engineer to Government.

Subject:- Machinery for the Neersagar Water Supply Scheme : Estimate for the - .

....

P.43

Reference: Your Unofficial reference No.S.W.3-27/ TPM/3885, dated the 14th April 1949.

2. The *marginally noted two estimates for Special Tools and plant and machinery required for the Neersagar Water Supply Scheme are herewith returned duly sanctioned.

| | |
|---|---|
| *1. Machinery and plant required for execution of the scheme -Rs.10,27,938 (gross) Rs. 8,07,600 net | |
| 2. Machinery for workshop for carrying out repairs -Rs. -98,044 (gross) Rs. 77,200 net | |

3. The above proposal should be included as a new item in your next year's budget proposals and no actual purchase of machinery nor any commitment should be made unless the new item is finally approved. You may, however, start making preliminary arrangements for the purchase of machinery, viz. requesting the Director of Industries and Stores Purchasing Officer to call for quotations, etc., so that no time is lost in placing firm orders for the same after the new item is passed by Government.

By order of the Governor of Bombay,

Orders issued after consultation with the Finance Department.
Proceed with this Department and can be issued as required.

for Secretary to the Government of Bombay,
Public Works Department.

4 Pages

D.A.- Estimates.

Copy forwarded to -

the Finance Department,
the Accountant General, Bombay,

for information.

5.
10/8/49.

5-7

VERY URGENT.

No.M.P.45.N/8343 of 1949

Poona 13th August 1949

To

The Secretary to Government,
Public Works Department, Bombay.

Subject :- Neersagar Water Supply Scheme.
Special Tools and Plant for ---

An estimate amounting to Rs. 8,09,400/- Net (Rs.10,27,938/- gross), for purchase of earthmoving machinery and other machinery required in connection with the Neersagar Water Supply Scheme for Dharwar and Hubli was forwarded to Government for approval vide please my U.O. reference No.S.W.3.27/TPM/3885, dated 14th April 1949. Quotations for many of the items included therein, such as tipping wagons and diesel locomotives, are received in this office, from various firms, and it is now necessary to order out the machinery so that it will arrive in proper time for early execution of the scheme. Sanction to the above estimate is awaited on receipt of which the required orders can be placed. I, therefore request you please to move Government to kindly treat this matter as most urgent and accord sanction to the above estimate at a very early date.

D.A.Nil.
SLP/12-8-49.

Public Health Engineer
to Government.

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Copy forwarded with compliments to the Executive Engineer, Karnatak Public Health Works Division, Dharwar for information.

181/8
57145

58

Con. Br.

P.S.S.

In new of G.2. No. S-181/8/43436 - Con,
I: the 10th Aug 1949, no further action is
necy. on the refce

Filed.
29/8/49.

Hist. - II - 11 CF
29/8/49